

## HOMOGRAPHY TRANSFER FROM POINT MATCHES

## ABSTRACT OF THE DISCLOSURE

5           An infinity homography for an image pair within an  
image sequence is transferred to other image pairs within  
the image sequence utilizing point matches for the subject  
image pairs. An image set including the image pair for  
which the infinity homography is known and a third image  
10 are selected. Then intermediate parameters for homography  
transfer for one image pair overlapping the known infinity  
homography image pair is computed from the known infinity  
homography and epipoles and fundamental matrices of the  
overlapping image pairs, to derive the infinity homography  
15 for the selected overlapping image pair. The process may  
then be repeated until infinity homographies for all image  
pairs of interest within the image sequence have been  
derived.